

SEQUENCE LISTING

<110> PHARMACIA & UPJOHN COMPANY

<120> HEPATITUS C VIRUS HELICASE CRYSTALS, CRYSTALLOGRAPHIC
STRUCTURE AND METHODS

<130> 6263.N

<140> Unassigned

<141> 2001-05-02

<150> 60/201,598

<151> 2000-05-03

<160> 3

<170> PatentIn Ver. 2.1

<210> 1

<211> 473

<212> PRT

<213> Hepatitis C virus

<400> 1

Met Val Asp Phe Ile Pro Val Glu Asn Leu Glu Thr Thr Met Arg Ser
1 5 10 15

Pro Val Phe Thr Asp Asn Ser Ser Pro Pro Val Val Pro Gln Ser Phe
20 25 30

Gln Val Ala His Leu His Ala Pro Thr Gly Ser Gly Lys Ser Thr Lys
35 40 45

Val Pro Ala Ala Tyr Ala Ala Gln Gly Tyr Lys Val Leu Val Leu Asn
50 55 60

Pro Ser Val Ala Ala Thr Leu Gly Phe Gly Ala Tyr Met Ser Lys Ala
65 70 75 80

His Gly Ile Asp Pro Asn Ile Arg Thr Gly Val Arg Thr Ile Thr Thr
85 90 95

Gly Ser Pro Ile Thr Tyr Ser Thr Tyr Gly Lys Phe Leu Ala Asp Gly
100 105 110

Gly Cys Ser Gly Gly Ala Tyr Asp Ile Ile Cys Asp Glu Cys His
115 120 125

Ser Thr Asp Ala Thr Ser Ile Leu Gly Ile Gly Thr Val Leu Asp Gln
130 135 140

Ala Glu Thr Ala Gly Ala Arg Leu Val Val Leu Ala Thr Ala Thr Pro
145 150 155 160

Pro Gly Ser Val Thr Val Pro His Pro Asn Ile Glu Glu Val Ala Leu
165 170 175

Ser Thr Thr Gly Glu Ile Pro Phe Tyr Gly Lys Ala Ile Pro Leu Glu
180 185 190

Val Ile Lys Gly Gly Arg His Leu Ile Phe Cys His Ser Lys Lys Lys
195 200 205

Cys Asp Glu Leu Ala Ala Lys Leu Val Ala Leu Gly Ile Asn Ala Val
210 215 220

Ala Tyr Tyr Arg Gly Leu Asp Val Ser Val Ile Pro Thr Ser Gly Asp
225 230 235 240

Val Val Val Val Ala Thr Asp Ala Leu Met Thr Gly Tyr Thr Gly Asp
245 250 255

Phe Asp Ser Val Ile Asp Cys Asn Thr Cys Val Thr Gln Thr Val Asp
260 265 270

Phe Ser Leu Asp Pro Thr Phe Thr Ile Glu Thr Ile Thr Leu Pro Gln
275 280 285

Asp Ala Val Ser Arg Thr Gln Arg Arg Gly Arg Thr Gly Arg Gly Lys
290 295 300

Pro Gly Ile Tyr Arg Phe Val Ala Pro Gly Glu Arg Pro Ser Gly Met
305 310 315 320

Phe Asp Ser Ser Val Leu Cys Glu Cys Tyr Asp Ala Gly Cys Ala Trp
325 330 335

Tyr Glu Leu Thr Pro Ala Glu Thr Thr Val Arg Leu Arg Ala Tyr Met
340 345 350

Asn Thr Pro Gly Leu Pro Val Cys Gln Asp His Leu Glu Phe Trp Glu
355 360 365

Gly Val Phe Thr Gly Leu Thr His Ile Asp Ala His Phe Leu Ser Gln
370 375 380

Thr Lys Gln Ser Gly Glu Asn Leu Pro Tyr Leu Val Ala Tyr Gln Ala
385 390 395 400

Thr Val Cys Ala Arg Ala Gln Ala Pro Pro Pro Ser Trp Asp Gln Met
405 410 415

Trp Lys Cys Leu Ile Arg Leu Lys Pro Thr Leu His Gly Pro Thr Pro
420 425 430

Leu Leu Tyr Arg Leu Gly Ala Val Gln Asn Glu Ile Thr Leu Thr His
435 440 445

Pro Val Thr Lys Tyr Ile Met Thr Cys Met Ser Ala Asp Leu Glu Val
450 455 460

Val Thr Ser His His His His His His
465 470

<210> 2
<211> 9
<212> PRT
<213> Hepatitis C virus

<400> 2
Pro Thr Gly Ser Gly Lys Ser Thr Lys
1 5

<210> 3
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: conserved
sequence motif VI wherein Xaa represents
unconserved amino acids within the motif

<400> 3
Gln Arg Xaa Gly Arg Xaa Gly Arg
1 5

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SIGNATURE: Carol T. Ladwig